

RYLAND RESEARCH LIMITED

23 Warren Close, Whitehill, Bordon, Hants GU35 9EX, United Kingdom
 TELEPHONE NO: +44 (0)1420 487114, FACSIMILE NO: +44 (0)1420 472061
 E-MAIL: info@rylandresearch.co.uk Web: info@rylandresearch.co.uk

THE ALL-IN-ONE SOLUTION TO FIRE-FIGHTING AND BLAST PROTECTION

OBSERVE



FIRE-FIGHT/COOL



BLAST PROTECT



There are situations where wide radius cordons have to be implemented to protect personnel and the public from explosive blast, including:

- Gas cylinders, particularly acetylene, in fire incidents
- Improvised Explosive Devices

These cordons, which have to remain until the threats are made safe, cause:

- Disruption to lives, e.g. homes and businesses being evacuated
- Paralysis of traffic on roads, railways and other forms of infrastructure
- Loss to the economy

Jointly, Ryland Research Limited and Cintec International Limited now offer a cost effective two-device combination to make threats like these safe.

RYLAND RESEARCH FIREMOTE®



FIREMOTE FITTED WITH WATERWALL LIFTER

Rubber tracked remotely operated vehicle with a dual outlet water delivery system fed from a hose connection from an appliance or hydrant, with variable elevation and jet/spray pattern, wireless control and video/data feedback to an operator panel. Shown above fitted with lifting device and compressed air tank holders for Waterwall deployment (see right).

THE CINTEC WATERWALL



ACETYLENE ISOLATOR

HEX BIN FOR IED'S

Inflatable double-skin structure with internal stiffening that is inflated, positioned round an IED, acetylene cylinder or other threat, then pumped full of water. The result is a shield of water in a pliable structure, surrounding the object, capable of absorbing 75% of explosive force and most or all the shrapnel. The safest way to deploy is using the Firemote® remotely operated vehicle (see left).

Prior to deployment, Firemote® can be used without the lifter for remote fire-fighting or cylinder cooling. To deploy, a folded isolator is mounted in the Firemote® lifter, raised to provide a forward view for the camera and two air tanks are mounted in the rear holders. The Firemote is driven to directly in front of the cylinders and the isolator inflated and lowered until it is almost level in front of the cylinder. The Firemote is driven forwards until the isolator surrounds the cylinder, then the isolator is lowered until it is rested on the ground. Finally the isolator is filled with water and then the Firemote's release mechanism is triggered to disconnect it, allowing it to stand off to monitor the situation or to be retrieved for work elsewhere.

RYLAND RESEARCH LIMITED

23 Warren Close, Whitehill, Bordon, Hants GU35 9EX, United Kingdom
TELEPHONE NO: +44 (0)1420 487114, FACSIMILE NO: +44 (0)1420 472061
E-MAIL: info@rylandresearch.co.uk Web: info@rylandresearch.co.uk

FIREMOTE SPECIFICATION

GENERAL

Dimensions of basic Firemote: L: 1300 (incl nozzle) W: 685 H: 1100: (to aerial tips)
Dimensions with lifter: L: 1650 W: 685 H: 1205 (to aerial tips)
Weight of basic Firemote: 150Kg
Weight with lifter: 200Kg

PERFORMANCE

Run Time: 2 - 4 Hours continuously moving, longer if stationary
Speed: 0 - 6 MPH forward and reverse
Turning Circle: Can turn on the spot
Control Range: >300 metres line-of-sight, variable non-line-of-sight
Water Jet Effective Reach: 30 - 45 metres (100 - 150')

PROPULSION

Type: Reinforced Rubber Track
Power Source: 24v 100AH Lead Acid battery pack
Battery Charger: On-Board with ability to accept 85 - 264 volts 50/60 Hz
Drive Motors: 800 Watt DC Permanent Magnet
Control: 4 Quadrant Proportional with quadrature feedback from motors
Steering: Differential speed
Braking: Regenerative - Optional electromagnetic parking brakes also available

